

CARDONE **ProTech**

Supporting Today's Professional Technician



ProTech Bulletin Summary: Brakes (Master Cylinder, Caliper, Booster)

Before replacing any brake component, the cause of original unit failure must be determined and corrected. Installing a replacement unit without correcting the problem will lead to early failure. Always refer to the vehicle service manual for specific installation procedures and specifications. The ProTech bulletins listed below cover topics that will assist with part selection, describe typical installation problems, provide diagnostic solutions or suggestions, and service advice.

MASTER CYLINDER

Before Installation:

PT 10-0008 Low pedal solution on 1995 F250 and 350 Fords

During Installation:

PT 10-0001 Step-bore bench bleeding procedure
PT 10-0003 Angle-mounted master cylinder bleeding procedure
PT 10-0004 Typical split-diagonal system bleeding sequence
PT 10-0005 Low pedal caused by internally damaged brake hose
PT 10-0006 Brake fluid DOT types should never be mixed
PT 10-0007 Petroleum based fluids destroy brake system rubber components

CALIPER

Before Installation:

PT 17-0001 Explanation of caliper letter codes: example 17-1336A or B
PT 18-0005 Pad wear chart helps diagnose caliper problems
PT 18-0006 1989-91 Ford E350, F250, F350 phenolic piston may solve brake fade

During Installation:

PT 18-0001 Early GM 4-wheel disc typical rear adjustment procedure
PT 18-0002 Sticking caliper piston – typical causes
PT 18-0003 Slider-style caliper problems – defective hardware or lack of lubrication
PT 18-0004 GM W body caliper upgrade corrects OE problem

BOOSTER

Before Installation:

PT 50-0001 Defective booster push rod seal may be causing master cylinder leak
PT 50-0002 Inadequate vacuum level or volume results in poor or no assist
PT 50-0003 Things to check - in-line filters, gas fume check valves, gas fumes in unit
PT 50-0004 If booster smells of gasoline, the next booster won't last – things to inspect
PT 52-0001 Hydro-boost diagnostic tips and troubleshooting

During Installation:

PT 52-0002 Hydro-boost flush procedure

After Installation:

PT 53-0001 Honda/Acura lock-up caused by incorrect pedal rod shaft adjustment
PT 53-0002 1998-99 Subaru high effort in cold weather

CARDONE Technical Service develops ProTech bulletins that are intended to help the installer avoid common installation and service errors. The information presented is derived from our own experience and product knowledge gained from component analysis and research. Following these tips will ensure the best possible performance and service life of the replacement unit.

Please note that these bulletins are provided for your technical information only and are not authorization for repair.

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